

**Oracle® Retail Merchandising System**  
Installation Guide  
Release 12.0.1

October 2006

Copyright © 2006, Oracle. All rights reserved.

Primary Author: Paul Kehler

The Programs (which include both the software and documentation) contain proprietary information; they are provided under a license agreement containing restrictions on use and disclosure and are also protected by copyright, patent, and other intellectual and industrial property laws. Reverse engineering, disassembly, or decompilation of the Programs, except to the extent required to obtain interoperability with other independently created software or as specified by law, is prohibited.

The information contained in this document is subject to change without notice. If you find any problems in the documentation, please report them to us in writing. This document is not warranted to be error-free. Except as may be expressly permitted in your license agreement for these Programs, no part of these Programs may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose.

If the Programs are delivered to the United States Government or anyone licensing or using the Programs on behalf of the United States Government, the following notice is applicable:

U.S. GOVERNMENT RIGHTS Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the Programs, including documentation and technical data, shall be subject to the licensing restrictions set forth in the applicable Oracle license agreement, and, to the extent applicable, the additional rights set forth in FAR 52.227-19, Commercial Computer Software – Restricted Rights (June 1987). Oracle Corporation, 500 Oracle Parkway, Redwood City, CA 94065

The Programs are not intended for use in any nuclear, aviation, mass transit, medical, or other inherently dangerous applications. It shall be the licensee's responsibility to take all appropriate fail-safe, backup, redundancy and other measures to ensure the safe use of such applications if the Programs are used for such purposes, and we disclaim liability for any damages caused by such use of the Programs.

Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

The Programs may provide links to Web sites and access to content, products, and services from third parties. Oracle is not responsible for the availability of, or any content provided on, third-party Web sites. You bear all risks associated with the use of such content. If you choose to purchase any products or services from a third party, the relationship is directly between you and the third party. Oracle is not responsible for: (a) the quality of third-party products or services; or (b) fulfilling any of the terms of the agreement with the third party, including delivery of products or services and warranty obligations related to purchased products or services. Oracle is not responsible for any loss or damage of any sort that you may incur from dealing with any third party.

---

---

# Contents

- Preface ..... v**
  - Audience ..... v
  - Related Documents ..... v
  - Customer Support ..... v
  - Conventions ..... v
  
- 1 Pre-Installation Tasks..... 1**
  - Check Database Server Requirements ..... 1
  - Check Application Server Requirements ..... 1
  - Check Web Browser and Client Requirements ..... 1
  
- 2 Database Installation Tasks..... 3**
  - Mount CD-ROM on the Database Server ..... 3
  - Alter RIB Objects ..... 3
    - Alter RIB Objects ..... 3
  - Alter Pricing Objects..... 4
    - Alter Pricing Types ..... 4
    - Alter Pricing DDL ..... 4
    - Alter Pricing Objects ..... 4
    - Alter Pricing Data ..... 4
  - Alter RMS Objects..... 4
    - Alter RMS Types ..... 4
    - Alter RMS Tables ..... 5
    - Alter RMS Database Objects ..... 5
    - Validate all Invalid Objects ..... 5
    - Update Data for RMS ..... 5
    - Update Forms Data for RMS ..... 5
    - Insert Secondary Language Data ..... 6
    - Insert Primary Language Data ..... 6
  - Update RETL for RPAS ..... 7
  - Compile RMS Batch Libraries and Programs ..... 7
    - Set Environment Variables ..... 7
    - Compile Batch Libraries ..... 8
    - Compile Batch Source Code ..... 8
  
- 3 Application Server Installation Tasks..... 9**
  - Mount CD-ROM on the Database Server ..... 9
  - Set Environment Variables ..... 9
  - RMS Toolset Installation ..... 10
  - RMS Forms Installation ..... 11
  - Update Helpfiles ..... 12
  - Configure Oracle Application Server 10g for RMS Reports ..... 13



---

---

# Preface

Oracle Retail Installation Guides contain the requirements and procedures that are necessary for the retailer to install Oracle Retail products.

## Audience

This Installation Guide is written for the following audiences:

- Database administrators (DBA)
- System analysts and designers
- Integrators and implementation staff

## Related Documents

For more information, see the following documents in the Oracle Retail Merchandising System Release 12.0.1 documentation set:

- Oracle Retail Merchandising System Release Notes
- Oracle Retail Merchandising System Operations Guides
- Oracle Retail Merchandising System Data Model
- Oracle Retail Merchandising System Operations Guide
- Oracle Retail Merchandising System Batch Schedule

## Customer Support

- <https://metalink.oracle.com>

When contacting Customer Support, please provide:

- Product version and program/module name.
- Functional and technical description of the problem (include business impact).
- Detailed step-by-step instructions to recreate.
- Exact error message received.
- Screen shots of each step you take.

## Conventions

**Navigate:** This is a navigate statement. It tells you how to get to the start of the procedure and ends with a screen shot of the starting point and the statement “the Window Name window opens.”

---

---

**Note:** This is a note. It is used to call out information that is important, but not necessarily part of the procedure.

---

---

This is a code sample  
It is used to display examples of code

A hyperlink appears like this .



---

---

# Pre-Installation Tasks

## Check Database Server Requirements

General Requirements for a database server running RMS include:

- UNIX based OS certified with Oracle RDBMS 10g Enterprise Edition (options are AIX5.2, AIX5.3, Solaris 9, and HP-UX 11.11)
- Oracle RDBMS 10g Release 2 Enterprise Edition (minimum 10.2.0.2.0 patchset required) with the following patches and components:

Patches:

- 5087548 (POST 10.2.0.2 PERMISSIONS ARE STILL WRONG FOR NETWORK/ADMIN AND LDAP DIRECTORIES)

Components:

- Oracle Database 10g
- Oracle Partitioning
- Oracle Net Services
- Oracle Call Interface (OCI)
- Oracle Programmer
- Oracle XML Development Kit
- ANSI compliant C compiler (certified with OS and database version)
- Perl compiler 5.0 or later
- x-Windows interface

## Check Application Server Requirements

General requirements for an application server capable of running RMS include:

- UNIX based OS certified with Oracle Application Server 10g version 10.1.2.0.2 (options are AIX5.2, AIX5.3, Solaris 9, and HP-UX 11.11)
- Oracle Application Server Forms and Reports 10g version 10.1.2.0.2

## Check Web Browser and Client Requirements

General requirements for client running RMS include:

- JRE Plug-in:
  - Sun JRE Plug-in 1.4.1+
- Client PCs:
  - Windows 2000 or XP with Pentium processor
  - 1024x768 resolution
  - PC Configuration (minimum 256 MB RAM, 450 MHz)
  - Internet Explorer 5.5, 6.0 and higher



---

---

## Database Installation Tasks

Before you apply the RMS 12.0.1 patch:

- Make a backup of all your objects and database schema.
- Check that RMS 12.0 is installed.
- Review the enclosed RMS 12.0.1 Patch Release Notes (rms-1201-rn.pdf).
- Review each of the enclosed SIR documents.

Before copying over any files:

- Note whether customizations have been made to the module. If so, then the customizations must be reapplied over the new version of the module (or the fix may need to be applied to the custom version of the code).
- Copy the original files to a different directory before copying over them in case they need to be referred to at a later date.

---

---

**Note:** These instructions refer to RMS12DEV as the Oracle owning schema.

---

---

### Mount CD-ROM on the Database Server

1. Copy the rms1201dbpatch.zip file from the CD /dbserverunix directory to a newly created staging directory on your UNIX server.
2. Unzip the file by entering:  

```
unzip rms1201dbpatch.zip
```

### Alter RIB Objects

---

---

**Note:** When running the scripts in this section the following errors may be encountered “ORA-04043 object XXXX does not exist” and “Warning: Type created with compilation errors”. These errors can be ignored. The ORA errors are caused by dropping the item the script is about to create and the warnings are caused by dependencies on objects that get created later. The warnings will be cleared when objects are revalidated later in the install.

---

---

### Alter RIB Objects

1. Change directories to STAGING\_AREA/rib/db\_objects.
2. Log into sqlplus as RMS12DEV and run the following command:  

```
SQL> @patch1201rib.sql
```
3. Check the log file patch1201rib.log for any errors noting that ORA-04043 errors are to be ignored.

## Alter Pricing Objects

**Note:**The folder STAGING\_AREA/pricing/rsm contain files that should be run into the RSM schema if you are using RPM and RSM.

### Alter Pricing Types

1. Change directories to STAGING\_AREA/pricing/types
2. Log into sqlplus as RMS12DEV and run the following command:  
SQL> @pricing1201type.sql
3. Check the log file pricing1201type.log for any errors noting that ORA-04043 errors and warnings are to be ignored.

### Alter Pricing DDL

1. Change directories to STAGING\_AREA/pricing/dbcs
2. Log into sqlplus as RMS12DEV and run the following command:  
SQL> @pricing1201dbcs.sql
3. Check the log file pricing1201dbcs.log for any errors.

### Alter Pricing Objects

1. Change directories to STAGING\_AREA/pricing/db\_objects.
2. Log into sqlplus as RMS12DEV and run the following command:  
SQL> @pricing1201rms.sql
3. Check the log file pricing1201rms.log for any errors noting that ORA-04043 errors are to be ignored.

### Alter Pricing Data

1. Change directories to STAGING\_AREA/pricing/data.
2. Log into sqlplus as RMS12DEV and run the following command:  
SQL> @pricing1201ctl.sql
3. 3 Check the log file pricing1201ctl.log for any errors.

## Alter RMS Objects

### Alter RMS Types

1. Change directories to STAGING\_AREA/types
2. Log into sqlplus as RMS12DEV and run the following command:  
SQL> @rms12type.sql
3. Check the log file rms12type.log for any errors noting that ORA-04043 errors are to be ignored.

## Alter RMS Tables

1. Change directories to STAGING\_AREA/dbcs
2. Log into sqlplus as RMS12DEV and run the following command:  
SQL> @patch1201dbcs.sql
3. Check the log file patch1201dbcs.log for any errors

## Alter RMS Database Objects

1. Change directories to STAGING\_AREA/db\_objects
2. Log into sqlplus as RMS12DEV and run the following command:  
SQL> @patch1201rms.sql
3. Check the log file patch1201rms.log for any errors.

## Validate all Invalid Objects

---

---

**Note:** Deadlocked objects may appear when running this script. This is expected. Run the script until no invalid objects remain.

---

---

1. Change directories to STAGING\_AREA/utility
2. Log into sqlplus as RMS12DEV and run the following command:  
SQL> @inv\_obj\_comp.sql
3. This script may need to be run more than once.

## Update Data for RMS

1. Change directories to STAGING\_AREA/data
2. Log into sqlplus as RMS12DEV and run the following command:  
SQL> @patch1201ctl.sql
3. Check the log file patch1201ctl.log for any errors.

## Update Forms Data for RMS

1. Change directories to STAGING\_AREA/data/forms\_menu\_elements
2. Log into sqlplus as RMS12DEV and run the following command:  
SQL> @patch1201forms.sql
3. Check the log file patch1201forms.log for any errors.

## Insert Secondary Language Data

---

**Note:** These scripts are only for customers who wish to have a primary language of English and a secondary language of any combination of the following: German, Spanish, French, Korean, Brazilian Portuguese, Japanese, Simplified Chinese or Traditional Chinese.

---

1. Change directories to STAGING\_AREA/data/lang
2. Log into sqlplus as RMS12DEV and run the following command:  
SQL> @patch1201ctl\_<lang>\_sec.sql
3. Check the log file patch1201ctl\_<lang>\_sec.log for any errors.
  - <lang> is the country code for the language you wish to install.
  - de - German
  - es - Spanish
  - fr - French
  - ja - Japanese
  - ko - Korean
  - ptb - Brazilian Portuguese
  - zhs - Simplified Chinese
  - zht - Traditional Chinese

## Insert Primary Language Data

---

**Note:** These scripts are only for customers who wish to have a primary language of one of the following: German, Spanish, French, Korean, Brazilian Portuguese, Japanese, Simplified Chinese or Traditional Chinese.

---

1. Change directories to STAGING\_AREA/data/lang
2. Log into sqlplus as RMS12DEV and run the following command:  
SQL> @patch1201ctl\_<lang>\_prim.sql
3. Check the log file patch1201ctl\_<lang>\_prim.log for any errors.
  - <lang> is the country code for the language you wish to install.
  - de - German
  - es - Spanish
  - fr - French
  - ja - Japanese
  - ko - Korean
  - ptb - Brazilian Portuguese
  - zhs - Simplified Chinese
  - zht - Traditional Chinese

## Update RETL for RPAS

---

**Note:** These steps only needs to be done if you are using RPAS.

---

1. Change directories to STAGING\_AREA/retrlforRPAS/rfx/
2. Copy all the files from this directory to retrl install  

```
cp -R * INSTALL_DIR/retrl/rfx
```

## Compile RMS Batch Libraries and Programs

---

**Note:** Warning messages may appear during the compilation of the batch. These warnings can be ignored if the batch executables are successfully generated.

---

### Set Environment Variables

1. Make sure the following variables are set:

---

**Note:** INSTALL\_DIR is the location where RMS 12 was installed.

Make sure the path for make, makedepend, and the compiler are in \$PATH environment variable.

---

- MMHOME=INSTALL\_DIR/rms
- MMUSER=RMS Schema Owner
- PASSWORD=RMS Schema Owner Password
- ORACLE\_HOME=Location of Oracle install
- ORACLE\_SID=The Oracle Sid for the RMS database

#### AIX:

- LIBPATH=\$ORACLE\_HOME/lib:\$MMHOME/oracle/lib/bin:\$LDPATH
- OBJECT\_MODE=64
- LINK\_CNTRL=L\_PTHREADS\_D7

#### HP:

- SHLIB\_PATH=\$ORACLE\_HOME/lib:\$MMHOME/oracle/lib/bin:
- \$SH\_LIBPATH

#### Solaris:

- LD\_LIBRARY\_PATH=\$ORACLE\_HOME/lib:  
\$MMHOME/oracle/lib/bin:\$LD\_LIBRARY\_PATH

## Compile Batch Libraries

1. Copy the files from STAGING\_AREA/batch/lib/src to INSTALL\_DIR/rms/oracle/lib/src
2. Change directories to INSTALL\_DIR/rms/oracle/lib/src
3. To make library dependencies run this command
  - `make -f retek.mk depend 2>&1 | tee libdpnd.log`
  - Check the libdpnd.log file for errors
4. To make batch libraries
  - `make -f retek.mk retek rms resa 2>&1 | tee libretek.log`
  - Check the libretek.log file for errors
5. To install batch libraries
  - `make -f retek.mk install`
  - The batch libraries should now be in INSTALL\_DIR/rms/oracle/lib/bin

## Compile Batch Source Code

1. Copy the files from STAGING\_AREA/batch/proc/src to INSTALL\_DIR/rms/oracle/proc/src
2. Change directories to INSTALL\_DIR/rms/oracle/proc/src
3. To make dependencies run the following command:
  - `make -f mts.mk rms-depend recs-depend rtm-depend resa-depend 2>&1 | tee srcdpnd.log`
  - Check the srcdpnd.log file for errors
4. To make batch programs run the following commands in the order stated.
  - `make -f rms.mk PRODUCT_PROCFLAGS=dynamic=ansi ditinsrt`
  - `make -f mts.mk rms-ALL recs-ALL resa-ALL rtm-ALL 2>&1 | tee srcall.log`
  - Check the srcall.log file for errors
5. To install batch programs
  - `make -f mts.mk rms-install recs-install resa-install rtm-install`
  - The batch programs should now be in INSTALL\_DIR/rms/oracle/proc/bin

---



---

## Application Server Installation Tasks

### Mount CD-ROM on the Database Server

1. Copy the rms1201apppatch.zip file from the CD /appserverunix directory to a newly created staging directory on your UNIX server.
2. Unzip the file by entering:  

```
unzip rms1201apppatch.zip
```

### Set Environment Variables

---



---

**Note:** ORACLE\_HOME is the location where Oracle Application Server 10g (10.1.2.0.2) has been installed

---



---

1. Set the DISPLAY variable to the IP address plus ":0.0" (ie: 10.1.1.1:0.0) of the application server.
2. Set the following variables:

---



---

**Note:** ORACLE\_HOME is the location where Oracle Application Server 10g (10.1.2.0.2) has been installed

---



---

- All OS Platforms
  - PATH=\$ORACLE\_HOME/bin:\$ORACLE\_HOME/opmn/bin:\$ORACLE\_HOME/dcm/bin:INSTALL\_DIR/forms10gr2\_scripts:\$PATH
  - CLASSPATH=\$ORACLE\_HOME/jlib/importer:\$ORACLE\_HOME/jlib/debugger.jar:\$ORACLE\_HOME/jlib/utj.jar:\$ORACLE\_HOME/jlib/ewt3.jar:\$ORACLE\_HOME/jlib/share.jar:\$ORACLE\_HOME/jlib/dfc.jar:\$ORACLE\_HOME/jlib/help4.jar:\$ORACLE\_HOME/jlib/oracle\_ice.jar:\$ORACLE\_HOME/jlib/jewt4.jar
  - FORMS\_BUILDER\_CLASSPATH=\$CLASSPATH
  - FORMS\_PATH=INSTALL\_DIR/toolset/bin:INSTALL\_DIR/rms/forms/bin:\$ORACLE\_HOME/forms
  - REPORTS\_PATH=INSTALL\_DIR/rms/reports/bin:\$ORACLE\_HOME/forms
  - TK\_UNKNOWN==\$ORACLE\_HOME/guicommon/tk/admin
  - UP=<RMS schema owner>/<RMS schema password>@<RMS database>

---



---

**Note:** Verify that TNS is set up correctly by using the UP variable to successfully log into the RMS 12 schema.

---



---

**Example:** /u00/oracle> sqlplus \$UP

---



---

- Solaris
  - LD\_LIBRARY\_PATH=\$ORACLE\_HOME/lib:\$ORACLE\_HOME/jdk/jre/lib/sparc:\$ORACLE\_HOME/jdk/jre/lib/sparc/native\_threads
- HP-UX
  - SHLIB\_PATH=\$ORACLE\_HOME/lib32:\$ORACLE\_HOME/lib:\$ORACLE\_HOME/jdk/jre/lib/PA\_RISC:\$ORACLE\_HOME/jdk/jre/lib/PA\_RISC/server
- AIX
  - LD\_LIBRARY\_PATH=\$ORACLE\_HOME/lib:\$ORACLE\_HOME/lib32:\$ORACLE\_HOME/jdk/jre/lib
  - LIBPATH=\$LD\_LIBRARY\_PATH

## RMS Toolset Installation

1. Copy all the files from STAGING\_AREA/toolset/src to INSTALL\_DIR/toolset/src
2. Copy all libraries (.pll files) in the INSTALL\_DIR/toolset/src directory to the INSTALL\_DIR/toolset/bin directory.
3. Change directories to INSTALL\_DIR/toolset/bin.
4. Run f10gr2plsqliconv\_pll\_stand45 to automatically attach the Forms 10g library rp2rro.pll to stand45.pll. This library must be attached to stand45.pll in order to run RMS reports.
5. Remove the newly created stand45.pld should it be created from running f10gr2plsqliconv\_pll\_stand45.
6. Run pll2plx10gr2\_toolset to compile all Toolset .pll's.

---

**Note:** If the pll2plx10gr2\_toolset script is not used and the libraries are compiled individually, then they must be compiled in the following order (which is noted in the pll2plx10gr2\_toolset script):

---

- messge45.pll
- ariiflib.pll
- stand45.pll
- calend45.pll
- find45.pll
- item45.pll
- tools45.pll
- mblock45.pll
- mview45.pll
- nav45.pll
- work45.pll
- itnumtype.pll
- hierfilter.pll
- rmslib.pll

7. Check to make sure that each .pll file has a corresponding .plx (to ensure that all .pll's compiled successfully).
8. Remove all newly created .plx files.
9. Copy all forms (\*.fmb files) in the INSTALL\_DIR/toolset/src directory to the INSTALL\_DIR/toolset/bin directory.
10. Run fmb2fmx10gr2\_fm (in INSTALL\_DIR/toolset/bin) to compile the Toolset reference forms.
11. Remove all newly created fm\_\*.fmx files (reference forms should not have executable files).
12. Run fmb2fmx10gr2 (in INSTALL\_DIR/toolset/bin) to generate Toolset runtime forms - .fmx's.
13. Check to make sure that each non-reference form (.fmb file) has a corresponding .fmx file. **Note:** Disregard fm\_\*.fmx files should they be created. These files should be removed. They should NOT exist in the INSTALL\_DIR/toolset/bin directory.
14. Remove all non-reference form forms from INSTALL\_DIR/toolset/bin; the following syntax will leave all reference forms (fm\_\*.fmb) in the bin directory, while removing all other forms:
 

```
> for PROG in `ls *.fmb | grep -v fm_`
> do PROGNAME=`echo $PROG`
> rm $PROGNAME
> done
```
15. Copy all menus (\*.mmb files) in the INSTALL\_DIR/toolset/src directory to the INSTALL\_DIR/toolset/bin directory.
16. Run mmb2mmx10gr2 (in INSTALL\_DIR/toolset/bin) to generate Toolset runtime menus - .mmx's.
17. Check to make sure that each .mmb file has a corresponding .mmx file.

---

**Note:** Should .err files be created by the compilation scripts above, these files are logs of the compilation process and can be removed.

---

18. Remove all .mmb files from INSTALL\_DIR/toolset/bin.

## RMS Forms Installation

1. Copy all the files from STAGING\_AREA/forms/src to INSTALL\_DIR/rms/forms/src
2. Copy all libraries (.pll files) in the INSTALL\_DIR/rms/forms/src directory to the directories to the INSTALL\_DIR/rms/forms/bin directory.
3. Change directories to INSTALL\_DIR/rms/forms/bin.
4. Run pll2plx10gr2\_forms to compile all RMS .pll's.
5. Check to make sure that each .pll file has a corresponding .plx (to ensure that all .pll's compiled successfully). Remove all newly created .plx files.
6. Copy all forms (\*.fmb files) in the INSTALL\_DIR/rms/forms/src directory to the INSTALL\_DIR/rms/forms/bin directory.
7. Run fmb2fmx10gr2\_fm (in INSTALL\_DIR/rms/forms/bin) to compile the RMS reference forms.
8. Remove all newly created fm\_\*.fmx files (reference forms should not have executable files).

9. Run `fmb2fmx10gr2` (in `INSTALL_DIR/rms/forms/bin`) to generate RMS runtime forms - `.fmx`'s.
10. Check to make sure that each non-reference form `.fmb` file has a corresponding `.fmx` file.

---

**Note:** Disregard `fm_*.fmx` files should they be created. These files should be removed. They should NOT exist in the `INSTALL_DIR/rms/forms/bin` directory.

---

11. Remove all non-reference form forms from `INSTALL_DIR/rms/forms/bin`; the following syntax will leave all reference forms (`fm_*.fmb`) in the bin directory, while removing all other forms:  

```
> for PROG in `ls *.fmb | grep -v fm_`  
> do PROGNAME=`echo $PROG`  
> rm $PROGNAME  
> done
```
12. Copy all menus (`*.mmb` files) in the `INSTALL_DIR/rms/forms/src` directory to the `INSTALL_DIR/rms/forms/bin` directory.
13. Run `mmb2mmx10gr2` (in `INSTALL_DIR/rms/forms/bin`) to generate RMS runtime menus - `.mmx`'s.
14. Check to make sure that each `.mmb` file has a corresponding `.mmx` file.
15. Remove all `.mmb` files from `INSTALL_DIR/rms/forms/bin`.

---

**Note:** Should `.err` files be created by the compilation scripts above, these files are logs of the compilation process and can be removed.

---

## Update Helpfiles

1. Change directories to `STAGING_AREA/web_html`
2. Copy all the files from this directory to `INSTALL_DIR/web_html`  

```
cp -R * INSTALL_DIR/web_html
```

## Configure Oracle Application Server 10g for RMS Reports

1. Make a backup copy of the file `ORACLE_HOME/forms/server/default.env`, it may have been renamed to `rms.env`
2. Modify the new file `rms.env` by appending the location of the RMS Reports Host, RMS Reports Server and RMS reports `RWSERVER`
  - `ORACLE_RMS_REPORTS_HOST` is the url `http://<server>:<port>` where `<server>` is the name or IP address of the server where Oracle AS 10g is installed and `<port>` is the "Listen" value in `ORACLE_HOME/Apache/Apache/conf/httpd.conf`
  - `ORACLE_RMS_REPORTS_SERVER` is the value of the reports configuration file without the `.conf` plus a standard `envid` ("`envid`" must be used) and the name of the header inside the configuration file that defines the variable `REPORTS_PATH`.
  - `ORACLE_RMS_RWSERVER=reports/rwservlet` (this value must be used)

---

### Example:

```
# Avoid hard-coding the name of a Reports Server in a
form's code.
# Paths must be specified to use RMS reports.
# See P_PRINT_REPORT in STAND45.PLL
#

ORACLE_RMS_REPORTS_HOST=http://mspdev34.us.oracle.com:12
777/

ORACLE_RMS_REPORTS_SERVER=rep_rms11mspdev33+envid=rms12a
rep
#
# Replaces C_WEB_SERVER in P_PRINT_REPORT
#
ORACLE_RMS_RWSERVER=reports/rwservlet
```

---